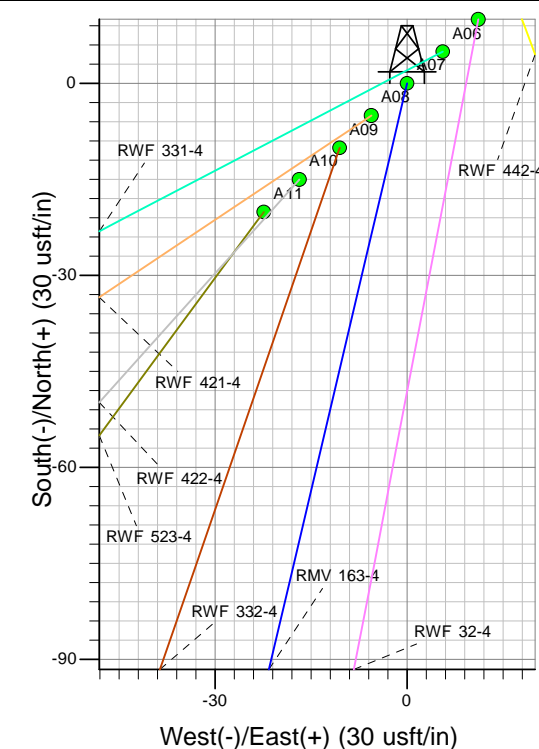
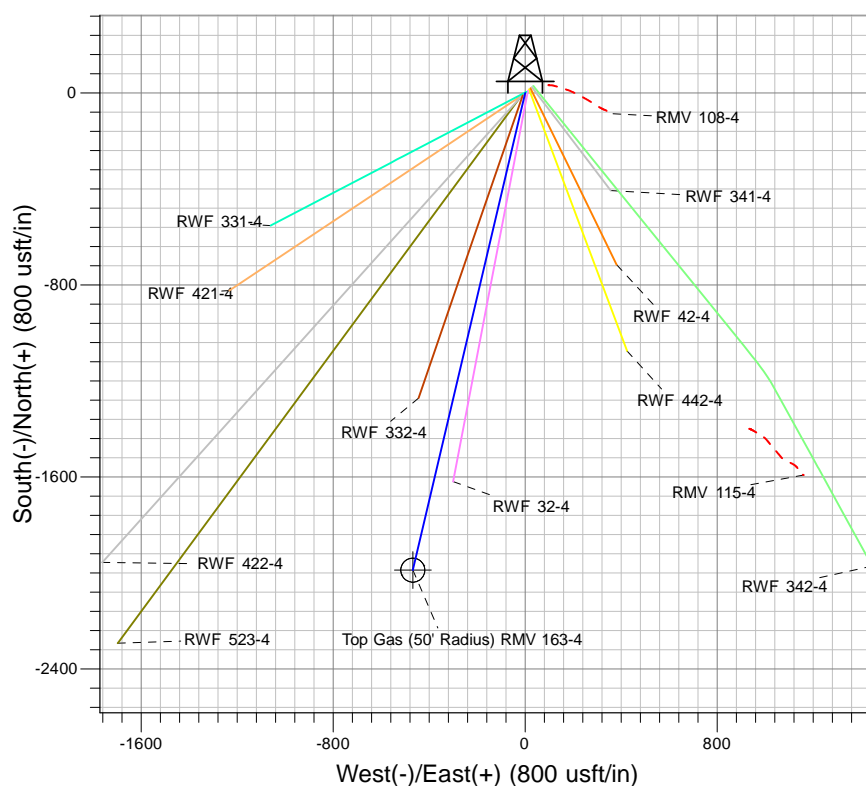
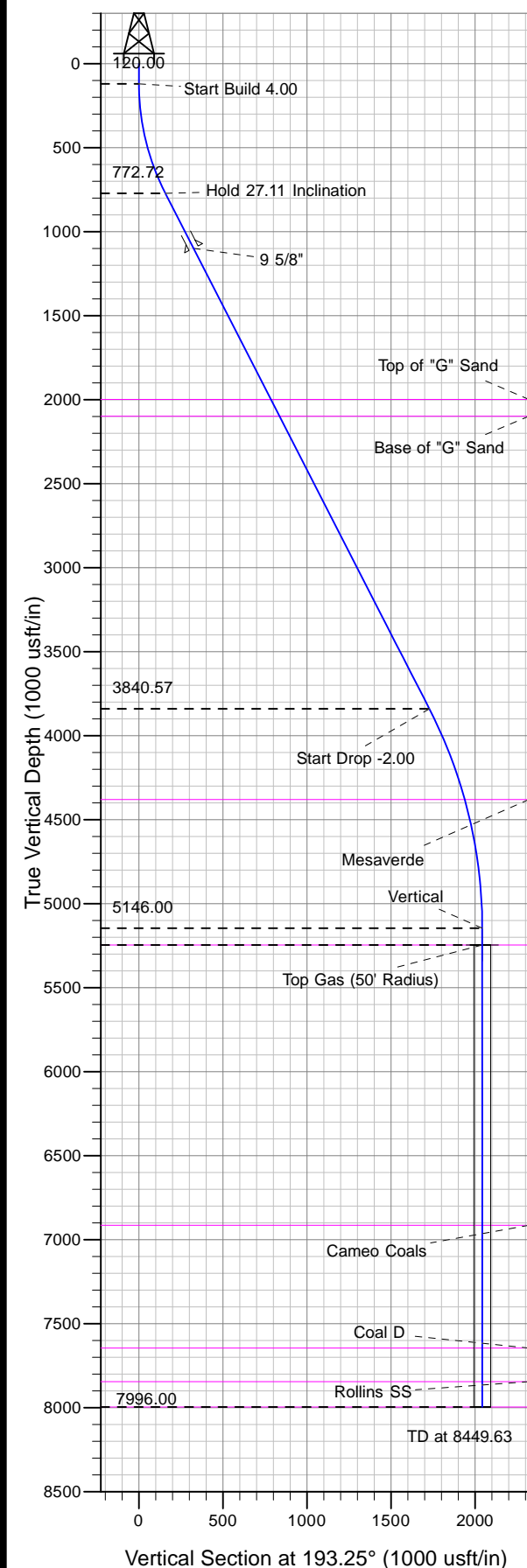
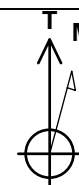




Well Name: RMV 163-4  
Surface Location: RMV 108-4 Pad  
North American Datum 1983 , US State Plane 1983 , Colorado Central Zone  
Ground Elevation: 5794.00  
+N/-S +E/-W Northing Easting Latitude Longitude Slot  
0.00 0.00 1606137.60 2325682.60 39.47328 -107.88900 A07  
KELLY BUSHING @ 5820.00usft (Nabors 576 (26' RKB) kjs)



Project: RU 04-07S-094W  
Site: RMV 108-4 Pad  
Well: RMV 163-4  
Design #1 29Apr13 kjs



Azimuths to True North  
Magnetic North: 10.06°  
Magnetic Field  
Strength: 52064.1nT  
Dip Angle: 65.69°  
Date: 4/29/2013  
Model: IGRF2010

#### ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
120.00	0.00	0.00	120.00	0.00	0.00	0.00	0.00	Start Build 4.00
797.72	27.11	193.25	772.72	-153.17	-36.07	157.36	157.36	Hold 27.11 Inclination
4244.19	27.11	193.25	3840.57	-1681.86	-396.02	1727.86	1727.86	Start Drop -2.00
5599.63	0.00	0.00	5146.00	-1988.20	-468.15	2042.57	2042.57	Vertical
5699.63	0.00	0.00	5246.00	-1988.20	-468.15	2042.57	2042.57	Top Gas
8449.63	0.00	0.00	7996.00	-1988.20	-468.15	2042.57	2042.57	TD at 8449.63